

**Reporting Title:** Succinylacetone, BS

**Performing Location:** Rochester

**Ordering Guidance:**

The preferred test for diagnosis and monitoring of patients with tyrosinemia type 1 is TYRBS / Tyrosinemia Follow Up Panel, Blood Spot.

**Necessary Information:**

Patient's age is required.

**Specimen Requirements:**

Submit only 1 of the following specimen types:

**Preferred:**

**Specimen Type:** Blood Spot

**Supplies:** Card - Blood Spot Collection (Filter Paper) (T493)

**Container/Tube:**

**Preferred:** Blood Spot Collection Card

**Acceptable:** Whatman Protein Saver 903 Paper, PerkinElmer 226 filter paper, Munktell filter paper, or blood collected in tube containing EDTA and dried on filter paper.

**Specimen Volume:** 2 blood spots

**Collection Instructions:**

1. At least 1 spot should be complete (ie, unpunched).
2. Do not expose specimen to heat or direct sunlight.
3. Do not stack wet specimens.
4. Keep specimen dry.
5. If collection of a new specimen is necessary, let blood dry on the Blood Spot Collection Card (T493) at ambient temperature in a horizontal position for a minimum of 3 hours.

**Specimen Stability Information:** Ambient (preferred) 7 days/Refrigerated 14 days/Frozen 90 days

**Additional Information:**

1. For collection instructions, see [Blood Spot Collection Instructions](#)
2. For collection instructions in Spanish, see [Blood Spot Collection Card-Spanish Instructions](#) (T777)
3. For collection instructions in Chinese, see [Blood Spot Collection Card-Chinese Instructions](#) (T800)

**Acceptable**

**Specimen Type:** Whole Blood

**Container/Tube:** Lavender top (EDTA)

**Specimen Volume:** 2 mL

**Collection Instructions:** Send whole blood specimen in original tube. **Do not aliquot.**

**Specimen Stability Information:** Refrigerate 6 days

**Forms:**

[If not ordering electronically, complete, print, and send a Biochemical Genetics Test Request](#) (T798) with the specimen.

| Specimen Type | Temperature | Time | Special Container |
|---------------|-------------|------|-------------------|
|---------------|-------------|------|-------------------|

|             |        |  |  |
|-------------|--------|--|--|
| Whole blood | Varies |  |  |
|-------------|--------|--|--|

Result Codes:

| Result ID | Reporting Name  | Type         | Unit    | LOINC®  |
|-----------|-----------------|--------------|---------|---------|
| 22714     | Interpretation  | Alphanumeric |         | 59462-2 |
| 22716     | Reviewed By     | Alphanumeric |         | 18771-6 |
| 607629    | Succinylacetone | Numeric      | nmol/mL | 53231-7 |
| 607630    | Tyrosine        | Numeric      | nmol/mL | 35571-9 |

LOINC® and CPT codes are provided by the performing laboratory.

Supplemental Report:

No

CPT Code Information:

- 84510
- 82542
- 82542 (if appropriate for government payers)

Reference Values:

- SUCCINYLACETONE
- < or =1.0 nmol/mL
- TYROSINE
- <4 weeks: 40-280 nmol/mL
- > or =4 weeks: 25-150 nmol/mL